Location: West of the waste treatment ponds, north of Overlook Road in White Rock , N.M.

Survey coordinates (brass marker in NW corner of R-16 cement pad):
x: 1659284 E y: 1756711 N (NAD 83 )
z: 6256.9 ft asl (NGVD 29)

Drilling: Conventional mud drilling, casing advance.
R-16 Start date: 08/16/02.
R-16 End date: 08/29/02.

Borehole R-16 drilled to 1287 ft. bgs. (T.D.).

Data collection:
Hydrologic properties: Field hydraulic test: Constant Rate Injection Test on screen #2, screen #3, and screen #4
Cores/cuttings submitted for geochemical and contaminant characterization: (0)
Groundwater samples submitted for geochem and contaminant characterization: (3)
Geologic properties: (16) Mineralogy, petrography, and chemistry
Borehole logs from R-16:
Lithologic: 0-867 ft. and 1047 ft.-1287 ft.
Natural gamma (LANL tool): 0-729 ft. (cased), 729-1287 ft. (open hole).
Schlumberger Logs: 0-729 ft. (cased), 729-1287 ft. (open hole): Array Induction, Combinable Magnetic Resonance, Micro Imager, Sonic Caliper, Litho density, Spectral Gamma, Elemental Capture, Thermal/Epithermal Neutron, Natural Gamma.

Contaminants Detected in R-16 Water Samples: none.

Well construction:
Drilling Completed: 08/29/02
Contract Geophysics: 08/30/02 - 08/31/02
Well Constructed : 08/31/02 - 09/07/02
Well Developed : 09/14/02 - 12/04/02
Westbay Installed : 12/6/02 - 12/10/02

Casing: 4.5-in I.D. stainless steel with external couplings.

Number of Screens: 4
4.5-in I.D. pipe based, s.s. wire-wrapped with 0.010-in slots.

Screen (perforated pipe interval):
Screen #1 - 641.0 - 648.6 ft. bgs. (isolated behind stuck casing)
Screen #2 - 863.4 - 870.9 ft. bgs.
Screen #3 - 1014.8 - 1022.4 ft. bgs.
Screen #4 - 1237.0 - 1244.6 ft. bgs.

Well development consisted of wire brushing, bailing, chemical treatments, surging, simultaneous jetting and pumping, and pumping.

Groundwater occurrence was determined for R-16 by recognition of first water produced while drilling, by borehole geophysics, and by borehole video. Static water levels were determined after the R-16 borehole was rested.

Groundwater samples collected from packed off screen intervals after well development.

Geologic contacts for R-16 were determined by examination of cuttings and interpretation of geophysical logs. Contacts may be refined by petrographic, geochemical, or mineralogic analysis of geologic samples.